Visualization

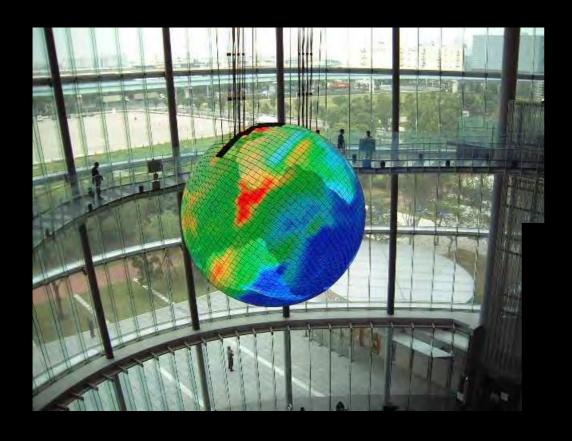
A Climate Service



- 4. Platforms
- 3. Producers
- 2. Principles
- I. People

Platforms

(Agnostic)







Producers

(you)

Principles



Thematic Maps: 1st Comprehensive Geological Map

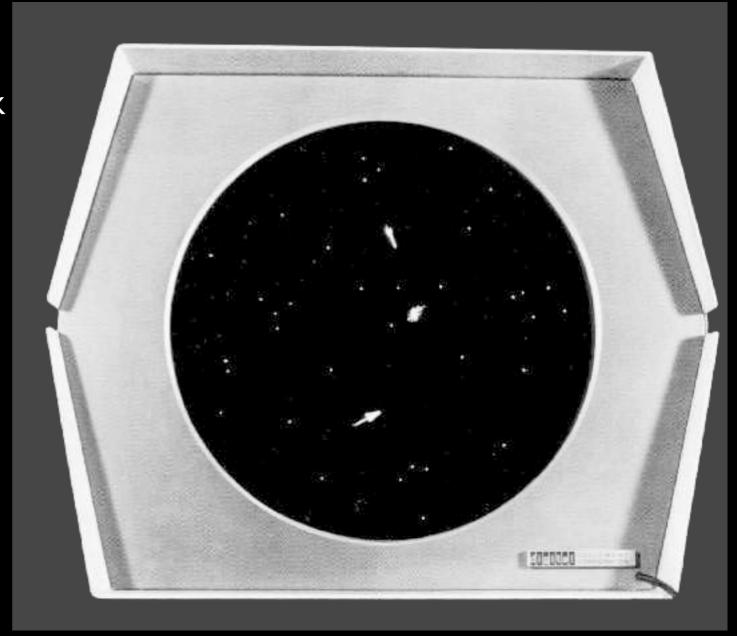


William Smith, 1815.

Slide Credit: Rob Simmon

Computer Graphics

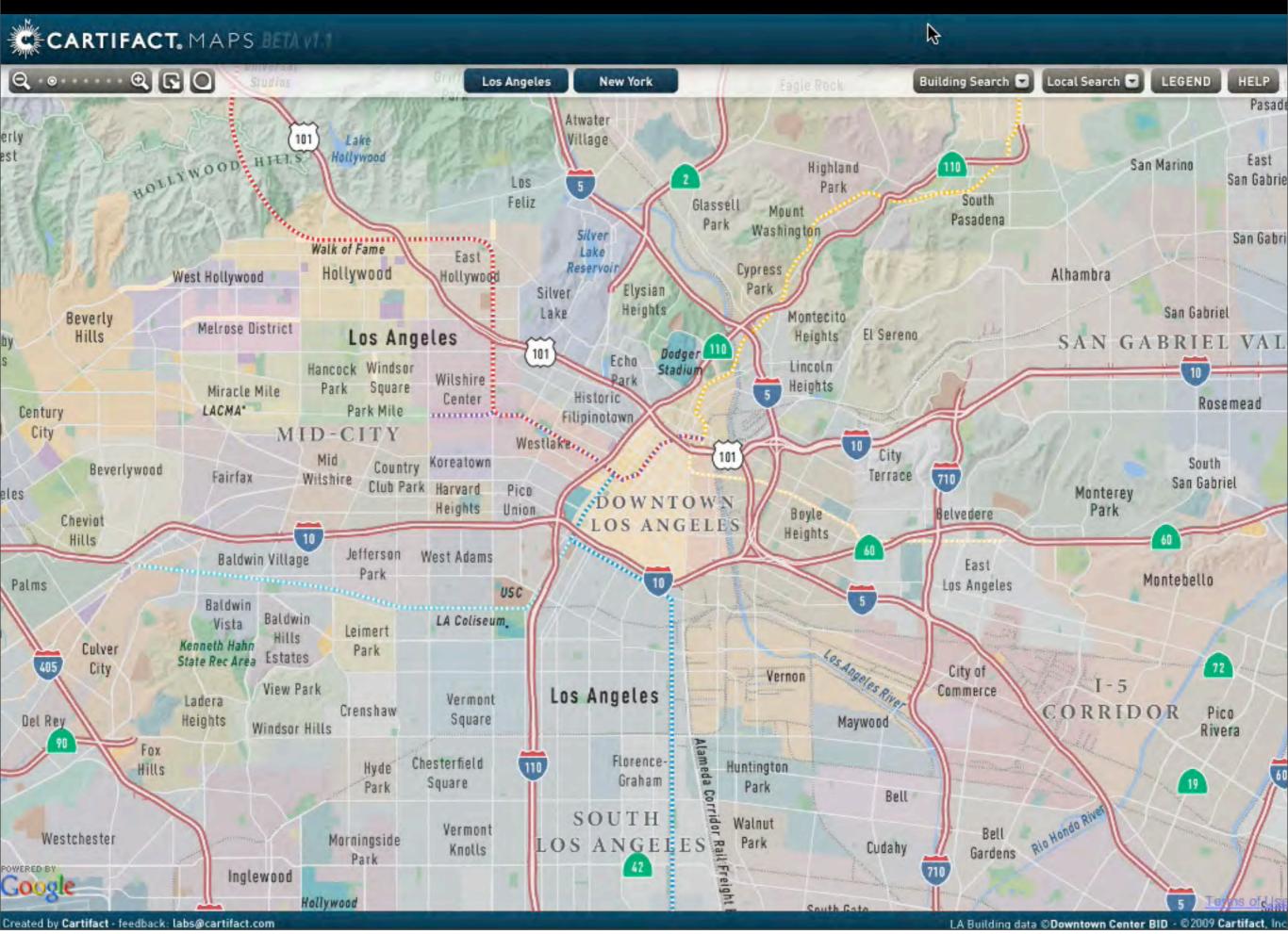
SpaceWar! Slug Russell, Shag Graetz, & Alan Kotok MIT, 1962



Slide Credit: Rob Simmon

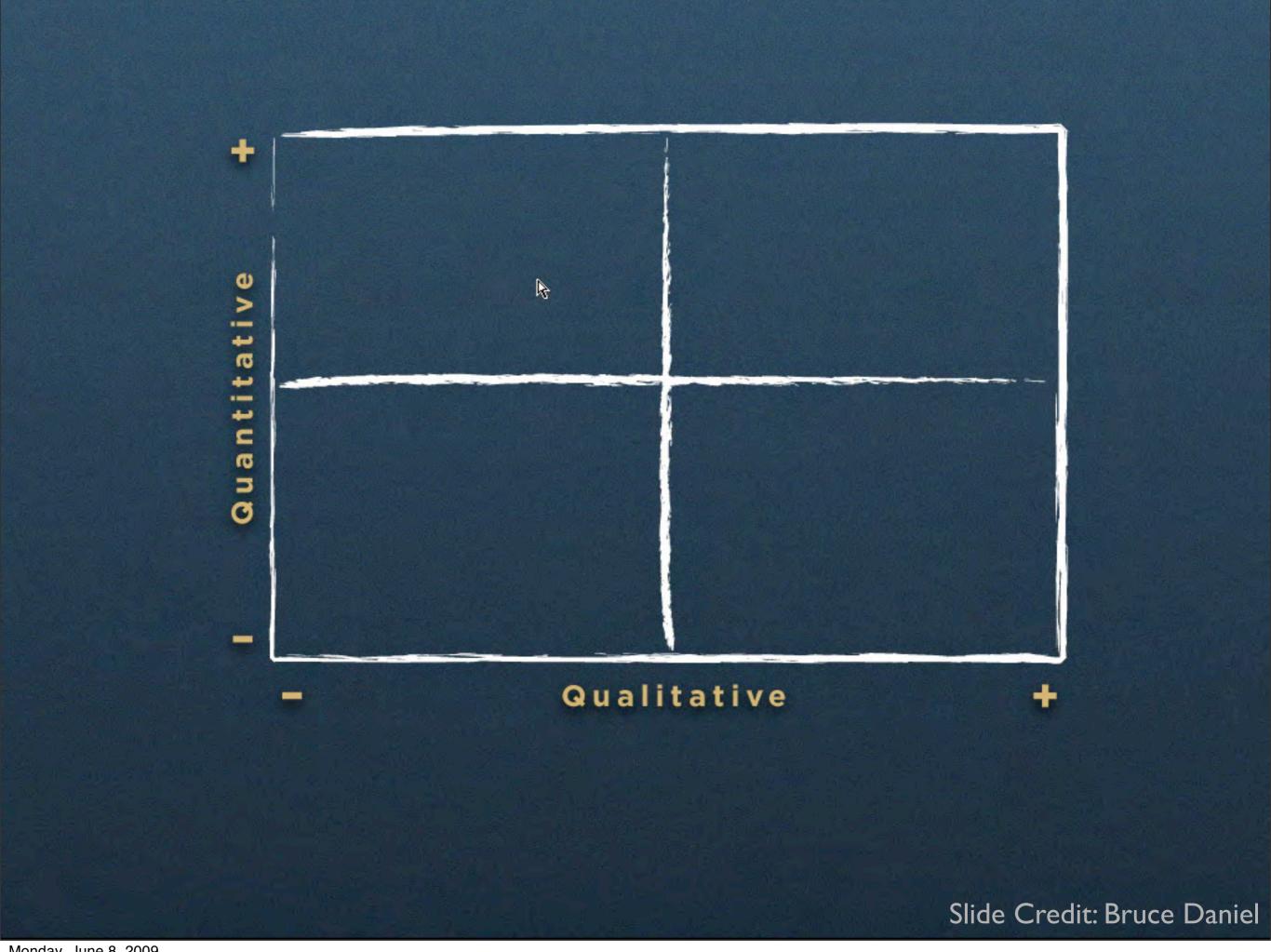


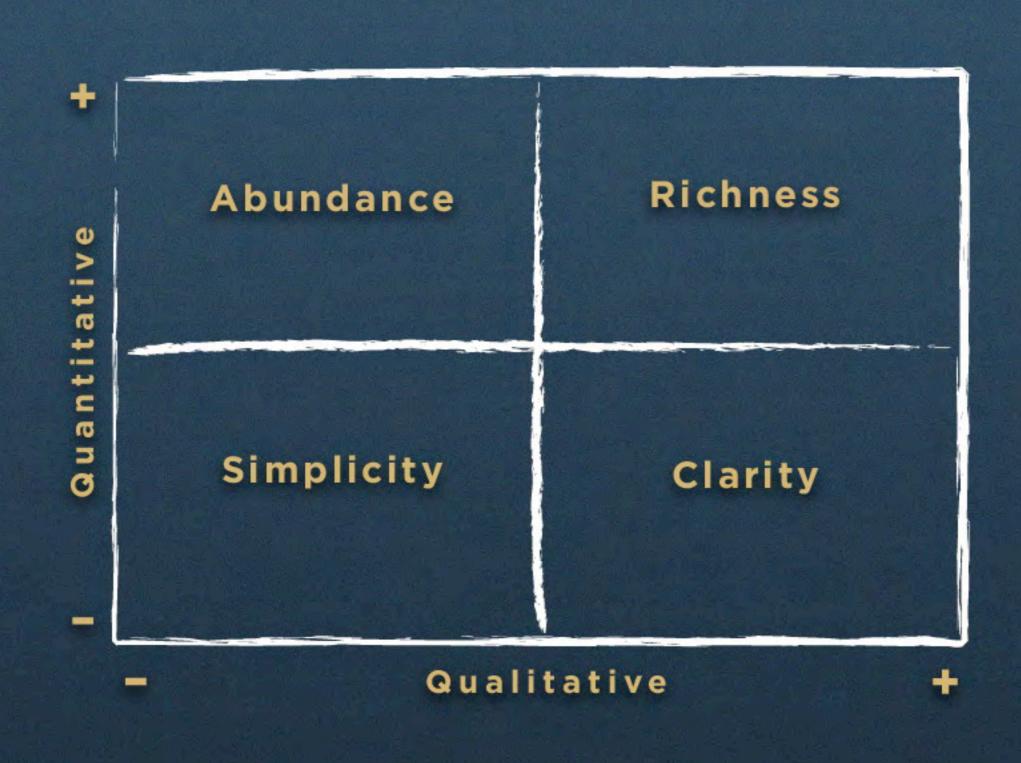
Slide Credit: Bruce Daniel

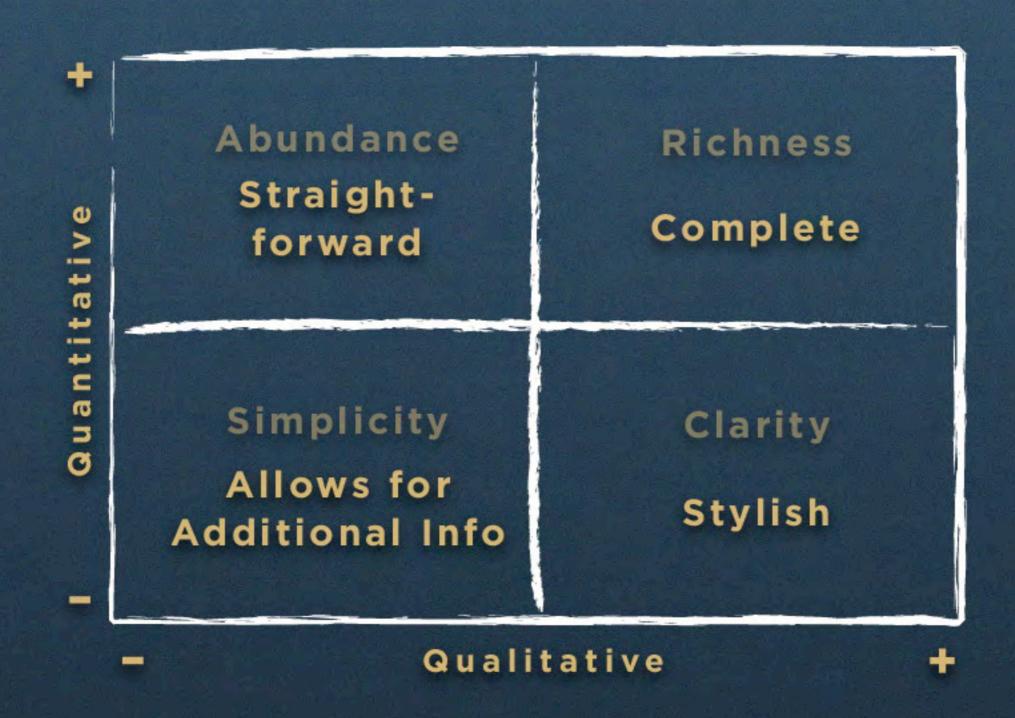


Coming Soon...

Visual Style Guide







Color Aerial Imagery Channels

Texture Typography

Luminosity font weight size

Lighting tracking

Transparency color

Line Weight/Quality halo

Density Iconography/Symbols

Edge Treatment Motion/Transitions

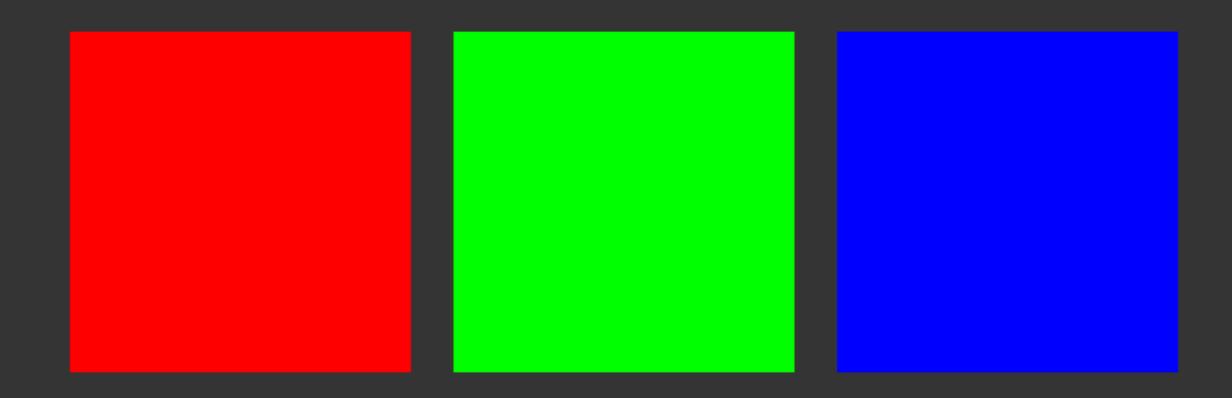
Drop Shadow Dimensionality

The Rainbow Palette

256 Reasons why you shouldn't use it



Color



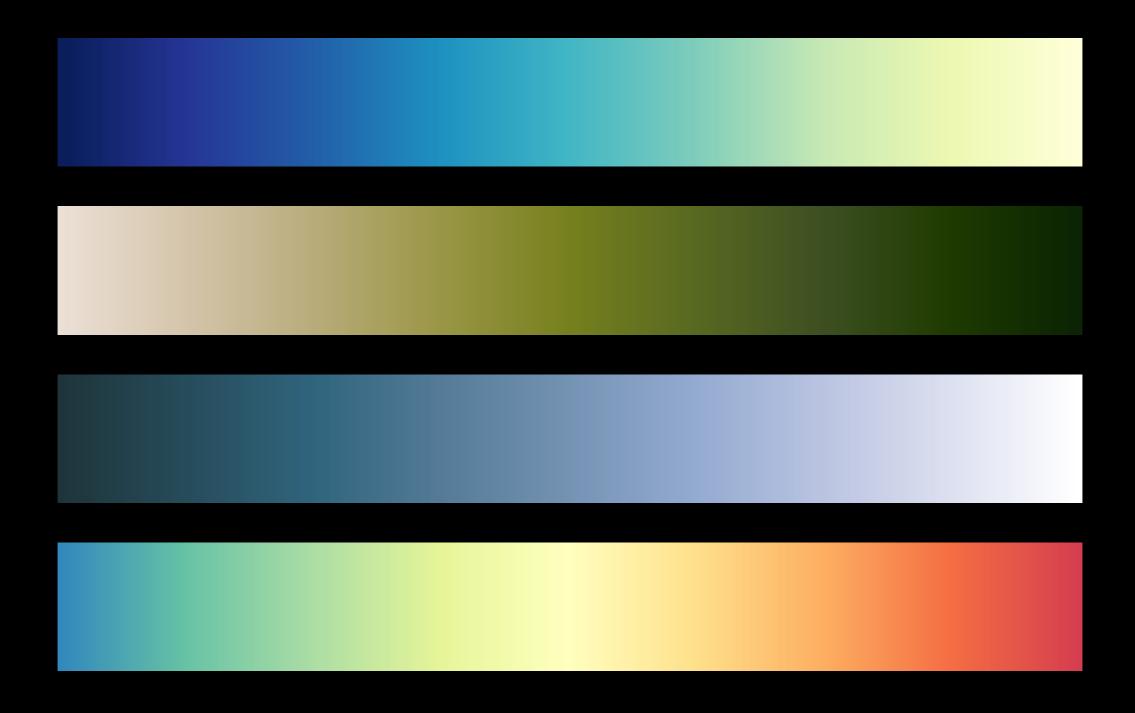
Computer colors: Red, Green, Blue; 0-255

Color



How humans see color: Chroma, Saturation, Lightness To accurately represent color, palettes must account for human perception.

Perceptual Palettes





People

An Academic Perspective





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Glaciers

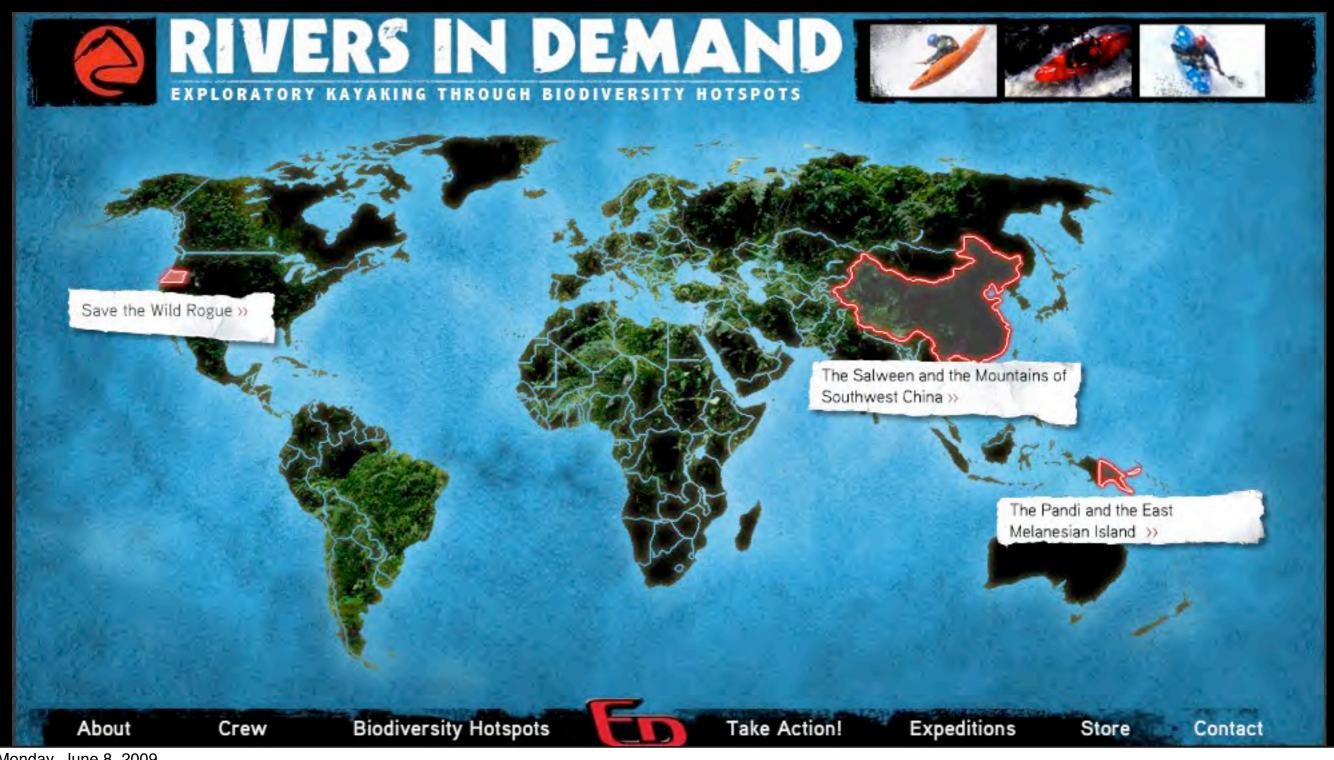
- Climate Change
 - Water Supply
 - Adaptation

- Global Change
 - Human Needs
 - Biodiversity



People respond to

- Beauty
- Adventure
- Passion

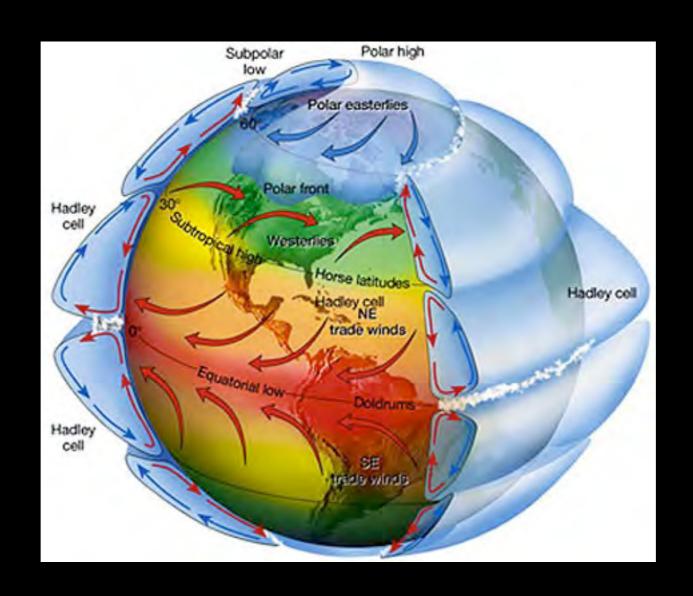


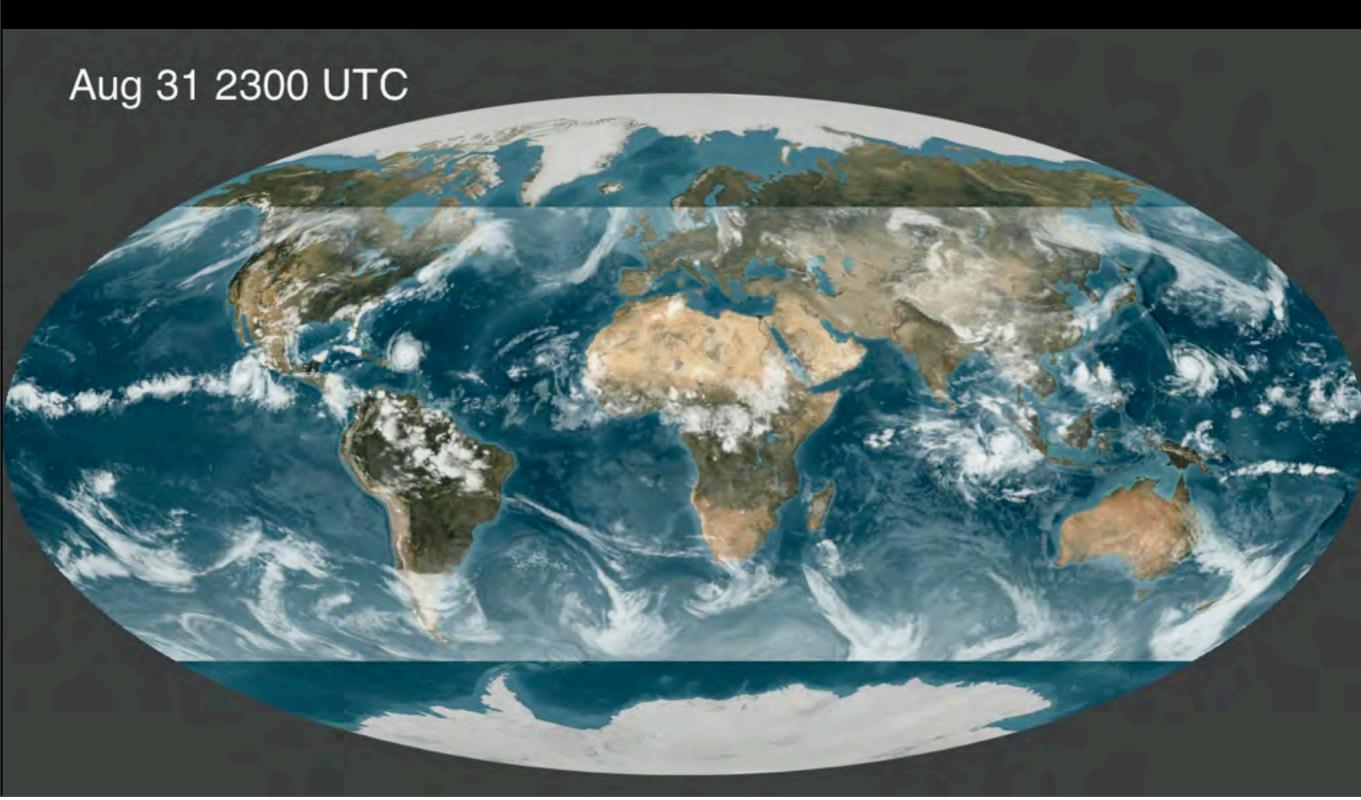
People

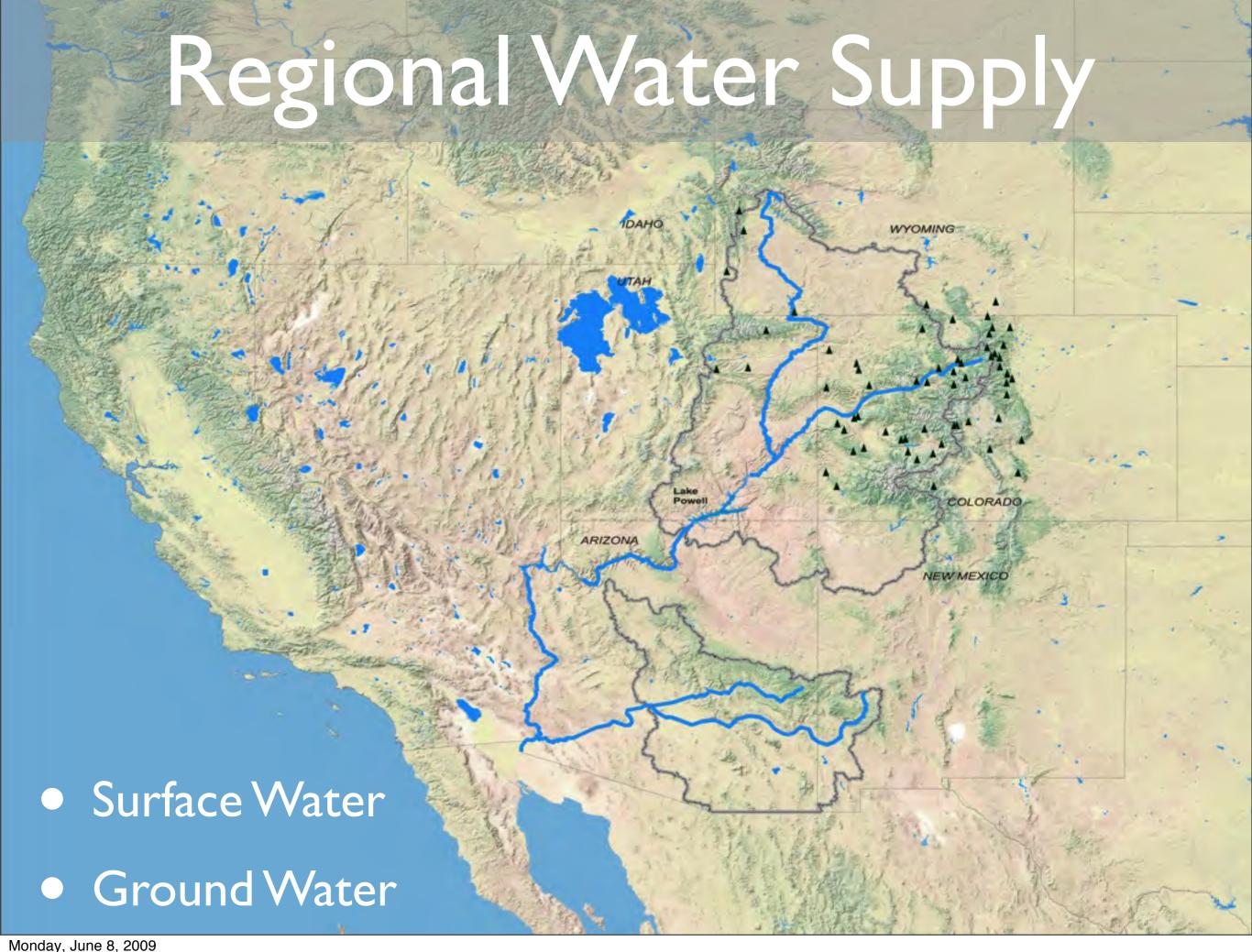
Regional Perspectives

Climate and Arizona's Water

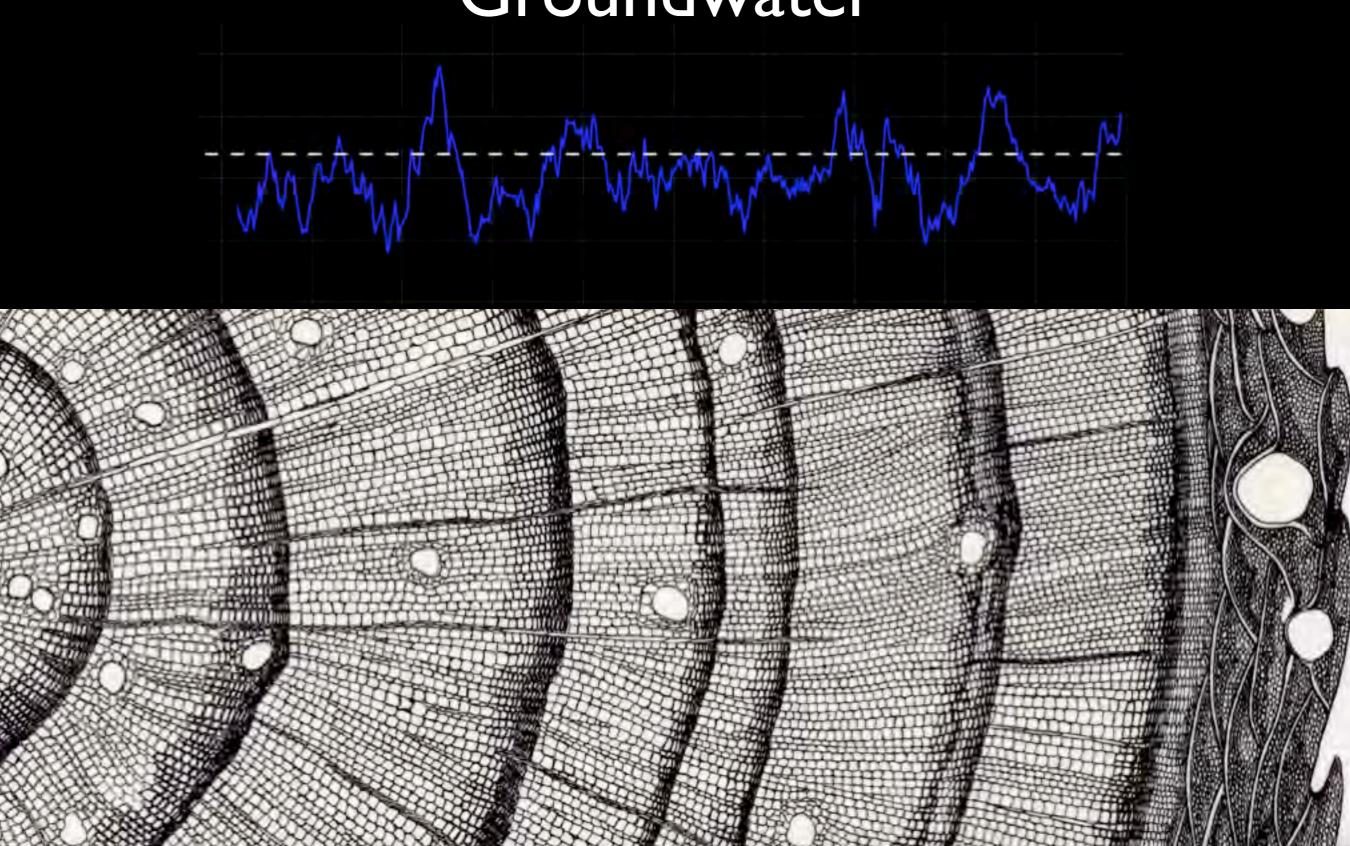
Climate and Circulation

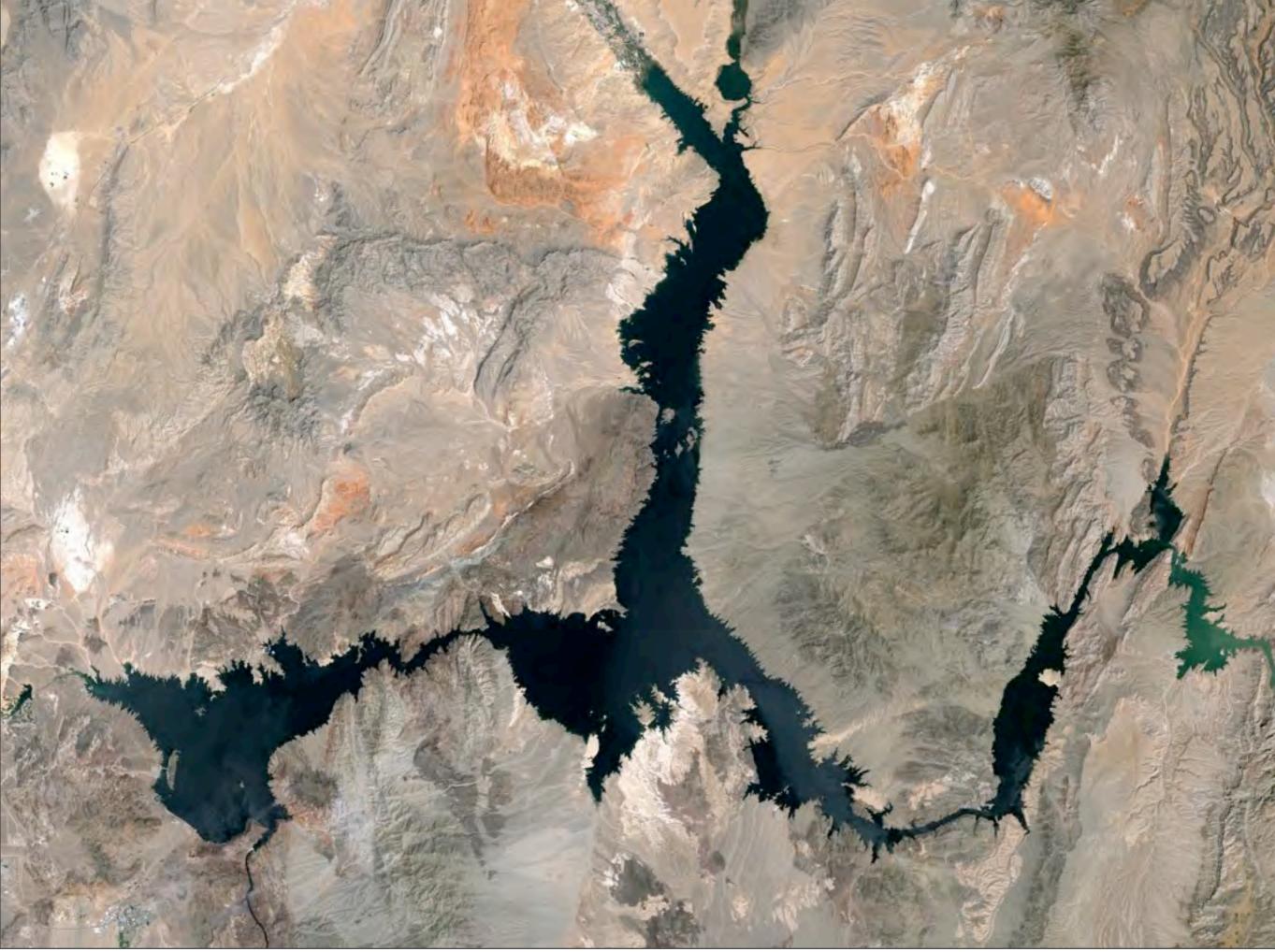




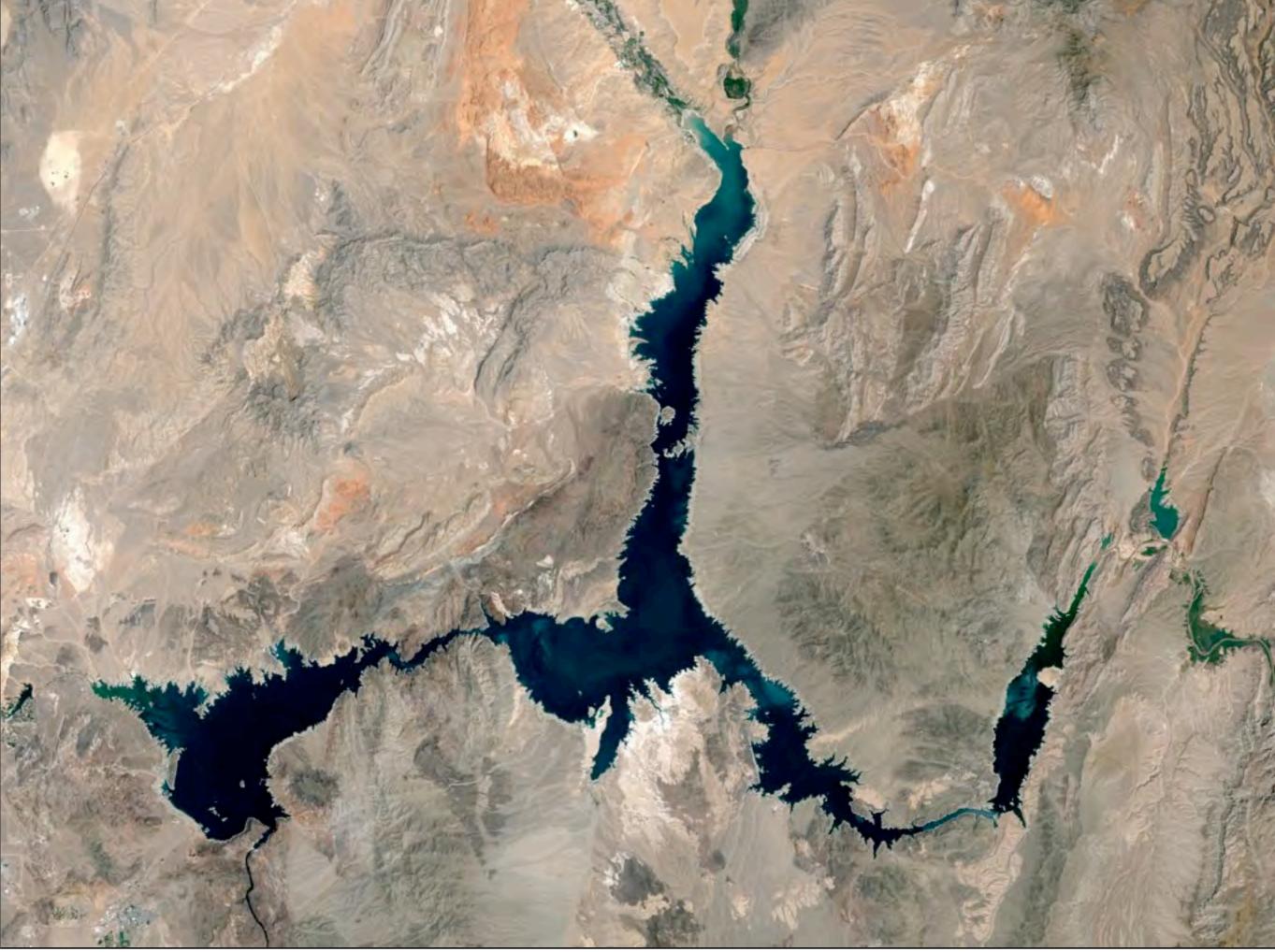


Dendrochronology, Discharge, and Groundwater





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Precession and Dakota Cosmology

Next Steps

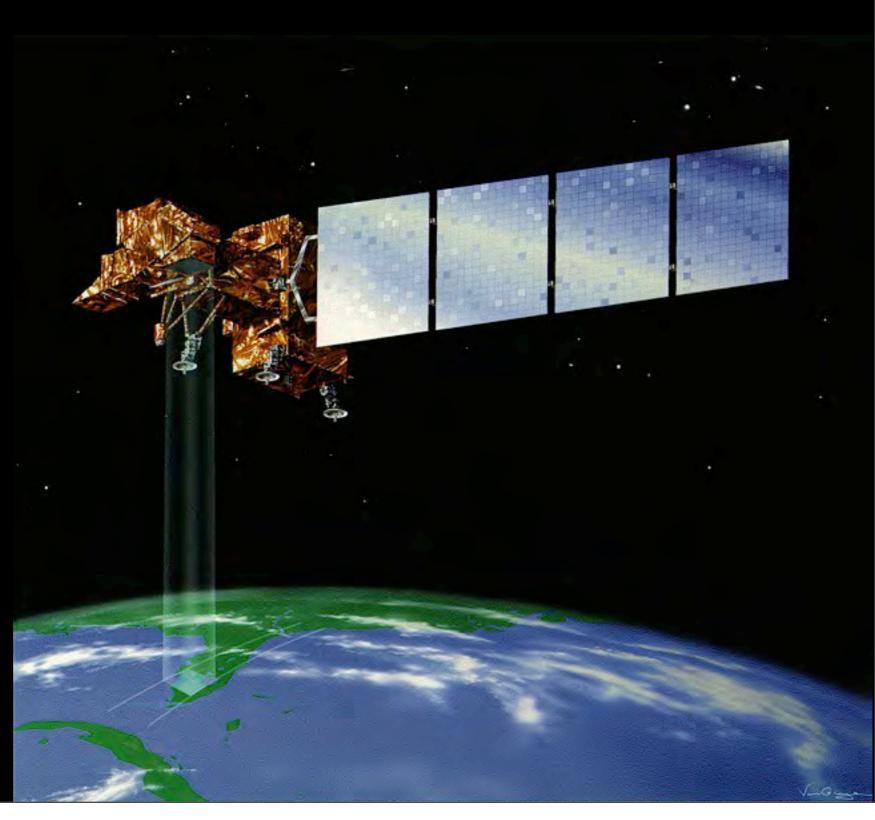
- Contributing Visuals to Climate Watch
- Professional Networking



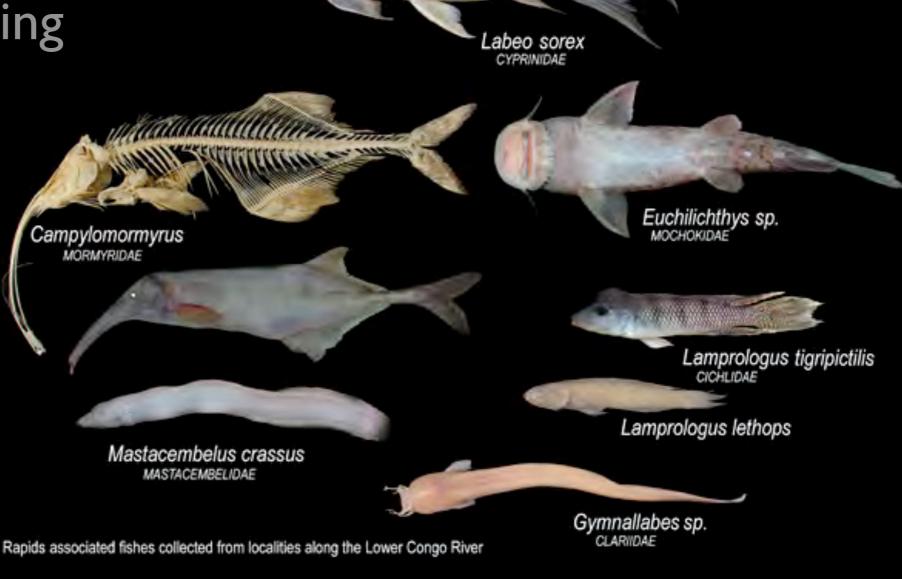


- Remote Sensing
- Ichthyology
- Hydrology
- Adventure

- Remote Sensing
- Ichthyology
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- Adventure



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- Hydrology
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